

START Tasking: The following can be accomplished in draft by November is my estimate.

1. Upper Animas:
  - a. WQ Data - Summarize the analytical data set in SCRIBE and USGS data (if not in SCRIBE) based on EPA established segments of the UA river accounting for seasonal variability. Prepare spreadsheet (Excel ) presentations of the data by segment and seasons, and then prepare a summary of findings identifying metals loads, field chemistry and flows. This will also present recommended priorities for further investigation based on this analysis. Efforts should focus on USGS tracer/OTEQ near Mayflower study data and DRMS (DMG) water data from mid 90's. Review of the ARSG data base is appropriate on a limited bases; EPA/ESAT has performed some review and extraction of this data base.
  - b. Alluvial Soils / Wetland Soils: Assist with evaluating existing data relative to potential remediation data requirements and identify potential data gaps. (Priority 2)
2. Cement Creek: Summarize the analytical data set in SCRIBE and USGS data (if not in SCRIBE) based on EPA/historically established segments for the Cement Ck accounting for seasonal variability. Prepare spreadsheet (Excel ) presentations of the WQ data by segment and seasons, and then prepare a summary of findings identifying metals loads, field chemistry and flows. This will also present recommended priorities for further investigation based on this analysis. The majority of data is likely limited to EPA data from 2009 forward; a limited review of ARSG data base for historical data is appropriate for comparative information before bulkhead placements in the American Tunnel and other mine tunnels. Limited flow data will be widely available by location, season or time. Review ESAT work for a baseline of the recent information.
3. In addition, the summary must describe where current conditions are either consistent with or appear to differ from historic assessments such as found in the Use Attainability Analysis (UAA).

USACE Tasking: Generally I would suggest that the USACE be directed to focus evaluating the relevant data from the historic reporting regarding the potential sources. EPA's Viewer geo-base may have a start on that organization. However, the USACE must be directed to develop a data base that can readily be imported into the View Geo-data base, and that must be coordinated with John Wieber (and probably with START or ESAT).

1. Upper Animas:
  - a. After receiving the above information from the START evaluation, the USACE can target the potential source evaluation from historic data sets as compared to the loading analysis provided from the START review of the more current data.
  - b. Recommendations for additional investigation and priority must be presented following that comparison and historical data set review.
  - c. Compare these findings to the ARSG priority site list and see where consistency exists or not.
  - d. Preliminary source term quantification information must also be summarized and presented in a spreadsheet format by segment.